

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/IT2004/000002

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C259/10 A61K31/16 A61P35/00 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/43251 A (BERTOLINI GIORGIO ; PAVICH GIANFRANCO (IT); BIFFI MAURO (IT); ITALF) 20 November 1997 (1997-11-20) cited in the application examples 1-10 page 30, line 2,3,12,13 page 31, line 29,30 page 32, line 4,5,10,11,16,17,22-31 page 33, line 1,2	1,2,4, 6-10,12, 13,16,17
Y	claims 4,5	1-17
X	WO 96/15105 A (ITALFARMACO SPA ; BERTOLINI GIORGIO (IT); AQUINO MARIO (IT); CHIAFF) 23 May 1996 (1996-05-23) examples 4,5	1,2, 7-10,12, 13,16,17
Y	claim 2	1-17

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

3 May 2004

Date of mailing of the international search report

18/05/2004

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PCT/IT2004/000002

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; FUJII, SETSURO ET AL: "trans-4-Aminomethylcyclohexane hydroxamic acid" retrieved from STN Database accession no. 87:39013 XP002278214 abstract -& JP 52 014747 A (ONO PHARMACEUTICAL CO., LTD., JAPAN) 3 February 1977 (1977-02-03) ---	1,2,4,7, 10
Y	UESATO S ET AL: "Novel histone deacetylase inhibitors: N-hydroxycarboxamides possessing a terminal bicyclic aryl group" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 12, 2002, pages 1347-1349, XP002276408 ISSN: 0960-894X page 1349; table 1 page 1347, column 1 page 1348, column 2, last line -page 1349, column 2 ---	1-17
A	RICHON V M ET AL: "A CLASS OF HYBRID POLAR INDUCERS OF TRANSFORMED CELL DIFFERENTIATION INHIBITS HISTONE DEACETYLASES" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 95, no. 6, 17 March 1998 (1998-03-17), pages 3003-3007, XP001120542 ISSN: 0027-8424 page 3003, column 1 page 3004; table 1 ---	1,11-17
A	WO 02/055017 A (MISHRA NILAMADHAB ;KAMMER GARY M (US); UNIV WAKE FOREST (US)) 18 July 2002 (2002-07-18) claim 2 ---	1,11-17
P,X	WO 03/013493 A (DINARELLO CHARLES ;BUFLER PHILIP (IT); DONA GIANCARLO (IT); ITALFA) 20 February 2003 (2003-02-20) page 12, Table, compounds 6,7,9-14 claim 1 --- -/--	1,2,4, 6-10, 12-17

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International Application No

PCT/IT2004/000002

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	BOUCHAIN, GILIANE ET AL: "Development of Potential Antitumor Agents. Synthesis and Biological Evaluation of a New Set of Sulfonamide Derivatives as Histone Deacetylase Inhibitors" JOURNAL OF MEDICINAL CHEMISTRY (2003), 46(5), 820-830 , XP002278212 page 823, table 3, compound 27 ---	1,2,7,9, 10,12, 14-17
P,X	LU, QIANG ET AL: "Zn ²⁺ -Chelating, Motif-Tethered, Short-Chain Fatty Acids as a Novel Class of Histone Deacetylase Inhibitors" JOURNAL OF MEDICINAL CHEMISTRY (2004), 47(2), 467-474 , 11 December 2003 (2003-12-11), XP002278213 page 471, Figure 3, cpds. 15,16,18,19,21,22 abstract -----	1,2,4, 6-10,12, 14-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT2004/000002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9743251	A	20-11-1997	IT MI960968 A1	14-11-1997
			AU 713300 B2	25-11-1999
			AU 2896497 A	05-12-1997
			BR 9709234 A	10-08-1999
			CA 2254066 A1	20-11-1997
			CN 1221403 A ,B	30-06-1999
			CZ 9803667 A3	16-06-1999
			DE 69703207 D1	02-11-2000
			DE 69703207 T2	01-02-2001
			DK 901465 T3	18-12-2000
			WO 9743251 A1	20-11-1997
			EP 0901465 A1	17-03-1999
			ES 2151267 T3	16-12-2000
			GR 3035128 T3	30-04-2001
			JP 2000510472 T	15-08-2000
			KR 2000010982 A	25-02-2000
			PL 329873 A1	12-04-1999
			PT 901465 T	31-01-2001
			RU 2177473 C2	27-12-2001
			SK 157998 A3	13-04-1999
			US 6034096 A	07-03-2000
WO 9615105	A	23-05-1996	IT 1270694 B	07-05-1997
			AU 3927695 A	06-06-1996
			WO 9615105 A1	23-05-1996
			ZA 9509666 A	29-05-1996
JP 52014747	A	03-02-1977	NONE	
WO 02055017	A	18-07-2002	WO 02055017 A2	18-07-2002
			US 2003114525 A1	19-06-2003
			US 2003082666 A1	01-05-2003
WO 03013493	A	20-02-2003	IT MI20011733 A1	07-02-2003
			WO 03013493 A1	20-02-2003